

Abstract

Title: Remodeling cranial orthoses during child growth

Objectives: The main aim of this work is to give a comprehensive overview of the deformities of the newborn skull, especially of the positional plagiocephaly, and their therapeutic solution with a focus on helmet therapy.

Method: I used the method of qualitative data collection from literature, published professional articles and journals. I subsequently consulted with the supervisor Ing. Pavel Černý, Ph.D

Result: The number of children with positional plagiocephaly has increased significantly since 1992 as a result of the “Back to Sleep” campaign of the American Pediatric Association (AAP), which recommends that babies should be placed in their supine sleep position in an effort to reduce the incidence of Sudden Infant Death Syndrome (SIDS). The incidence of SIDS has decreased, but the prevalence of plagiocephaly has increased. There are two non-invasive methods to treat this deformity: positioning therapy and helmet therapy. Helmet therapy is undoubtedly a very important part of the treatment of head deformities. It is an effective non-invasive method with minimal risks and complications.

Keywords: cranial orthosis, deformities, positional plagiocephaly, therapy, diagnosis, non-invasive method